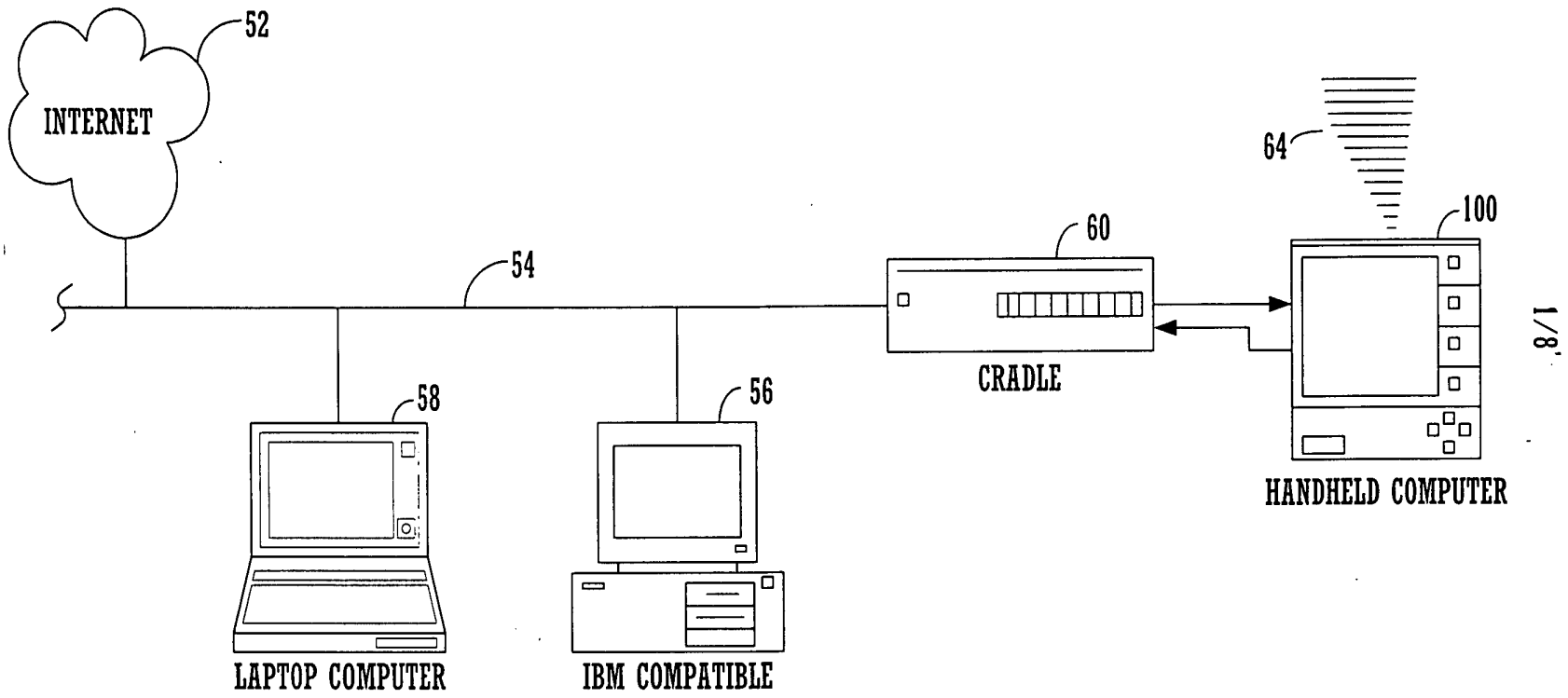
51
52
INTERNET
54
58
LAPTOP COMPUTER
56
IBM COMPATIBLE
60
CRADLE
64
100
HANDHELD COMPUTER

FIGURE 1

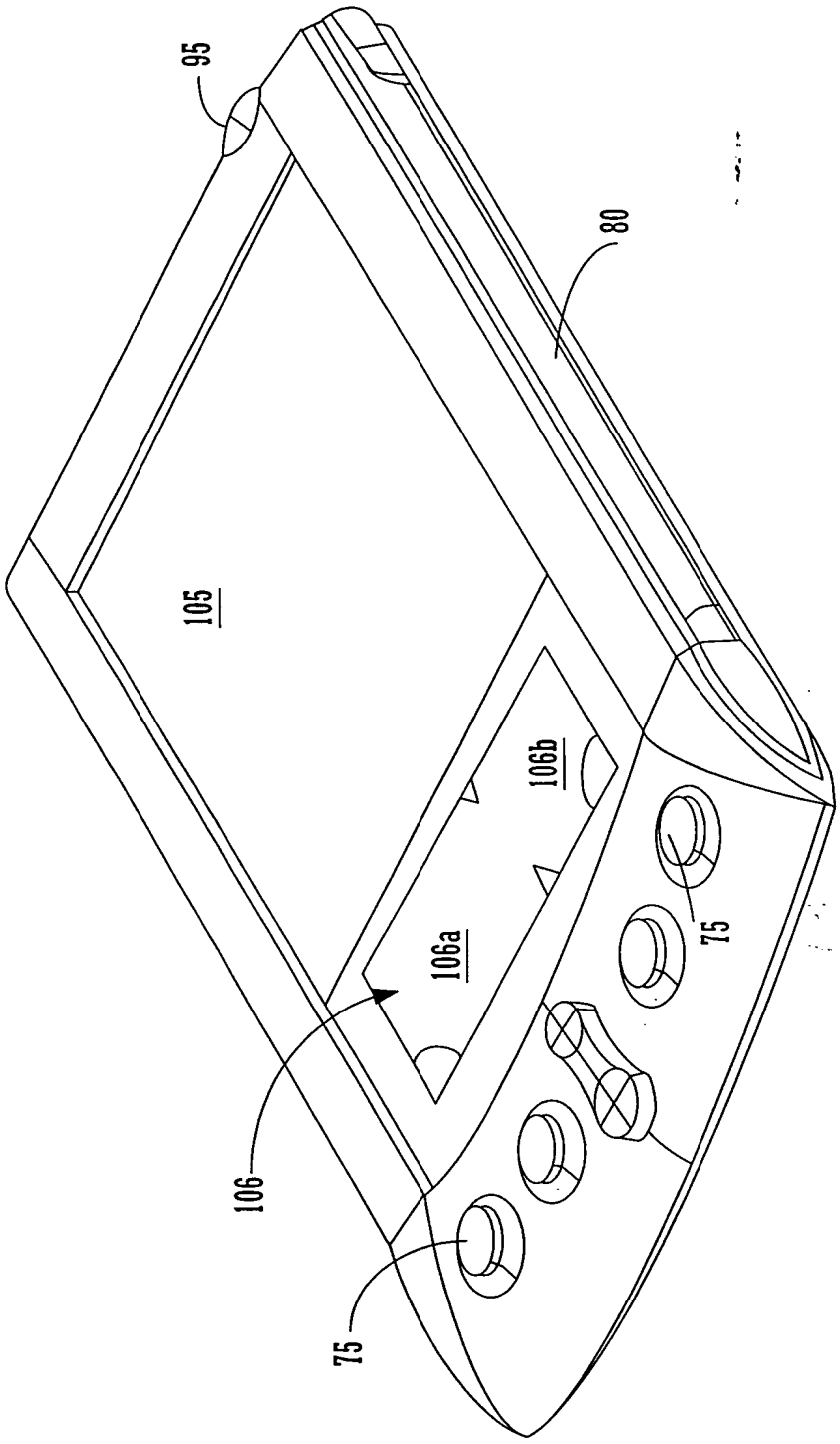

FIGURE 2A

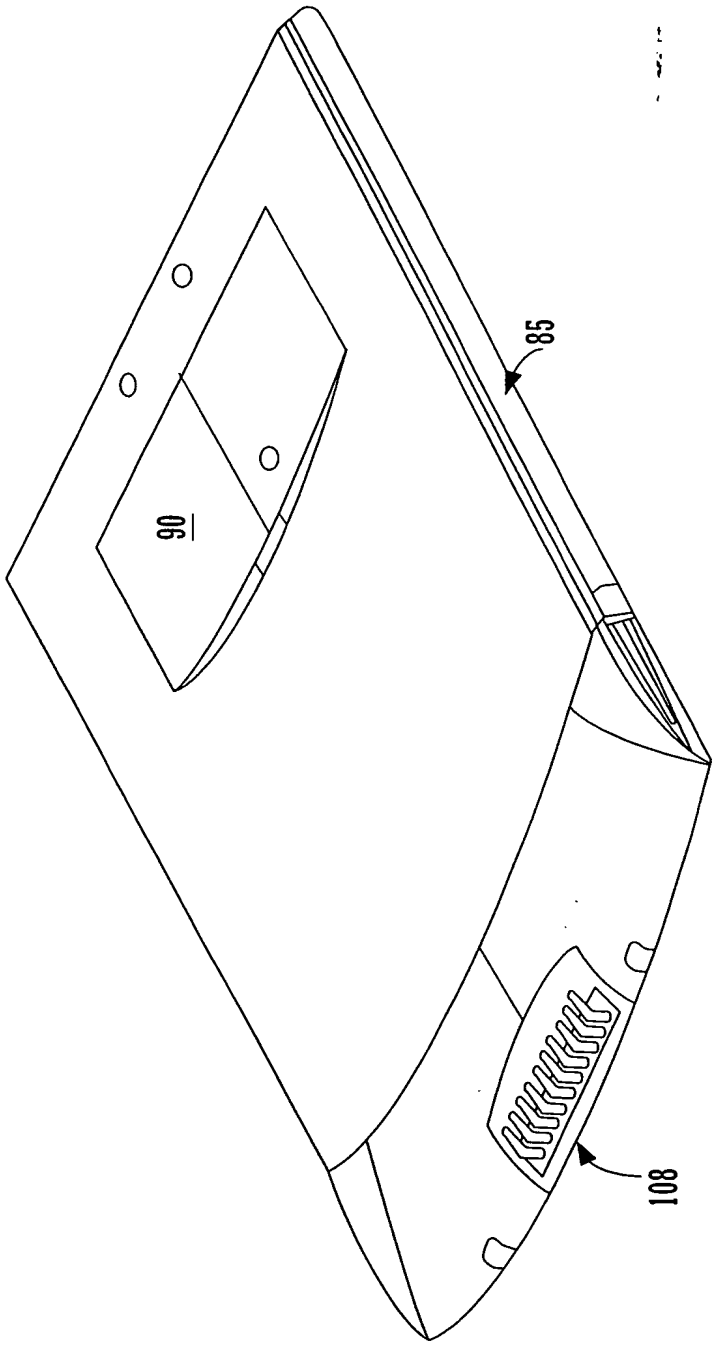

FIGURE 2B

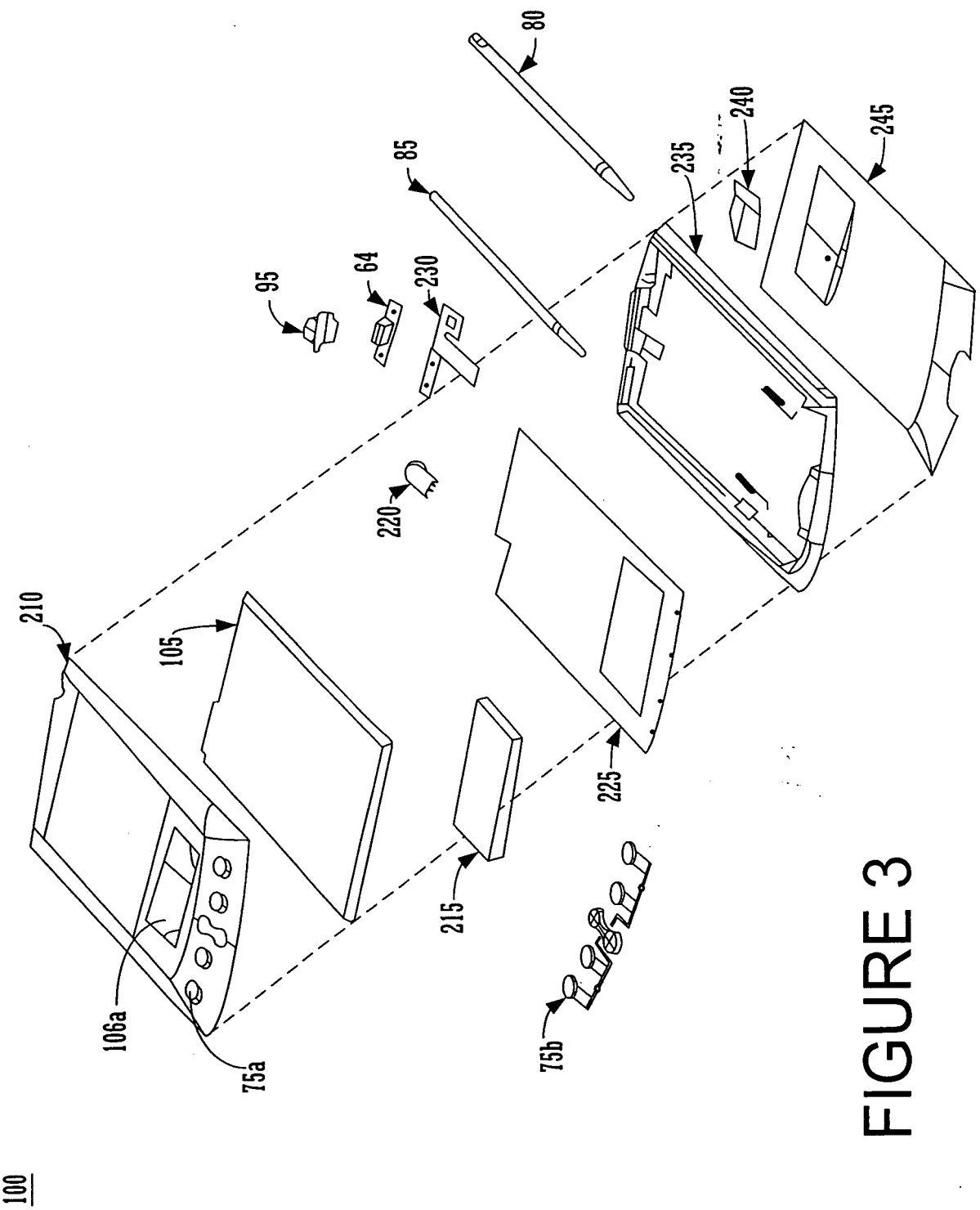

FIGURE 3

60

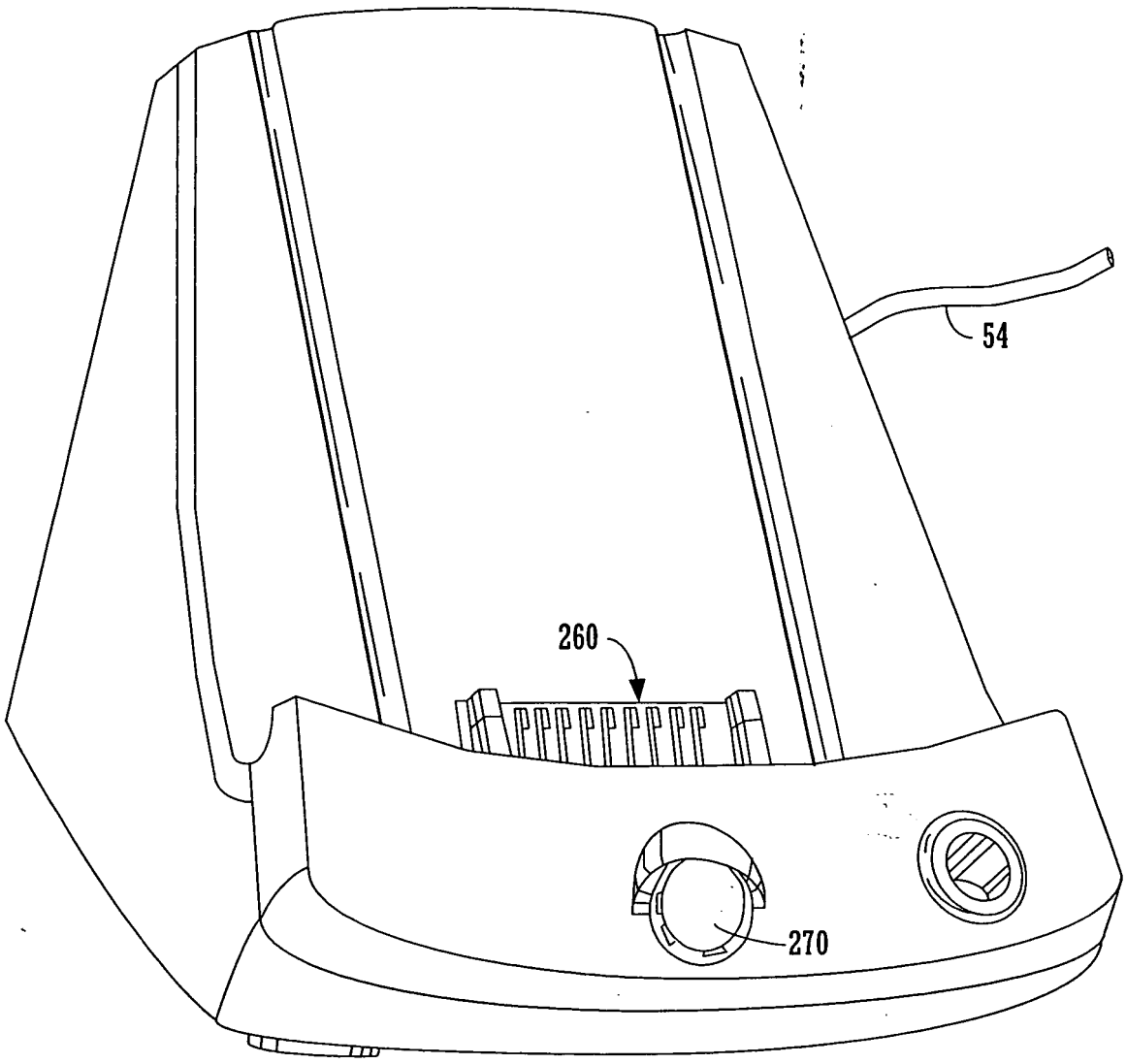

FIGURE 4

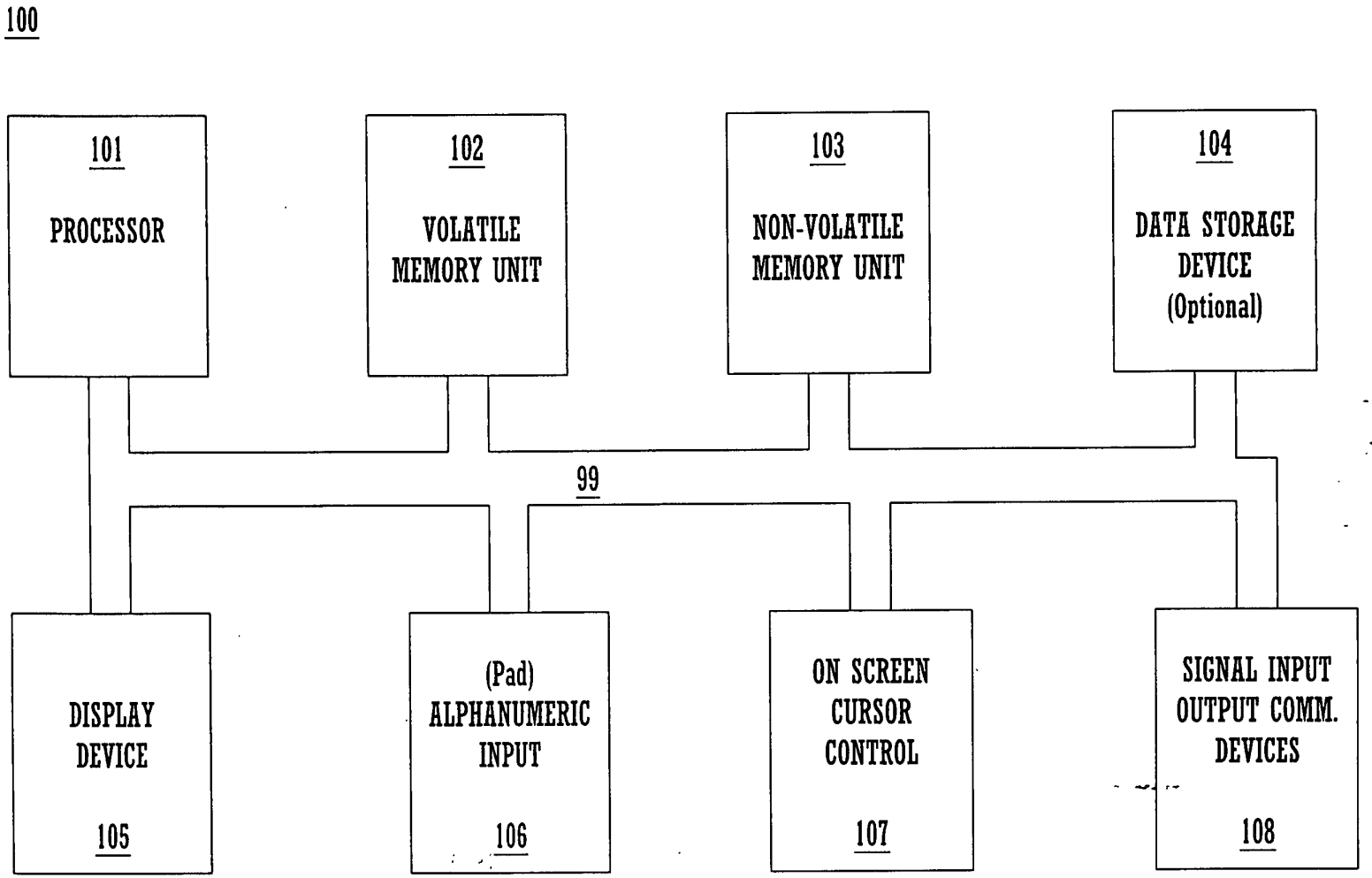
100
101
PROCESSOR
102
VOLATILE MEMORY UNIT
103
NON-VOLATILE MEMORY UNIT
104
DATA STORAGE DEVICE (Optional)
99
DISPLAY DEVICE
105
(Pad) ALPHANUMERIC INPUT
106
ON SCREEN CURSOR CONTROL
107
SIGNAL INPUT OUTPUT COMM. DEVICES
108

FIGURE 5

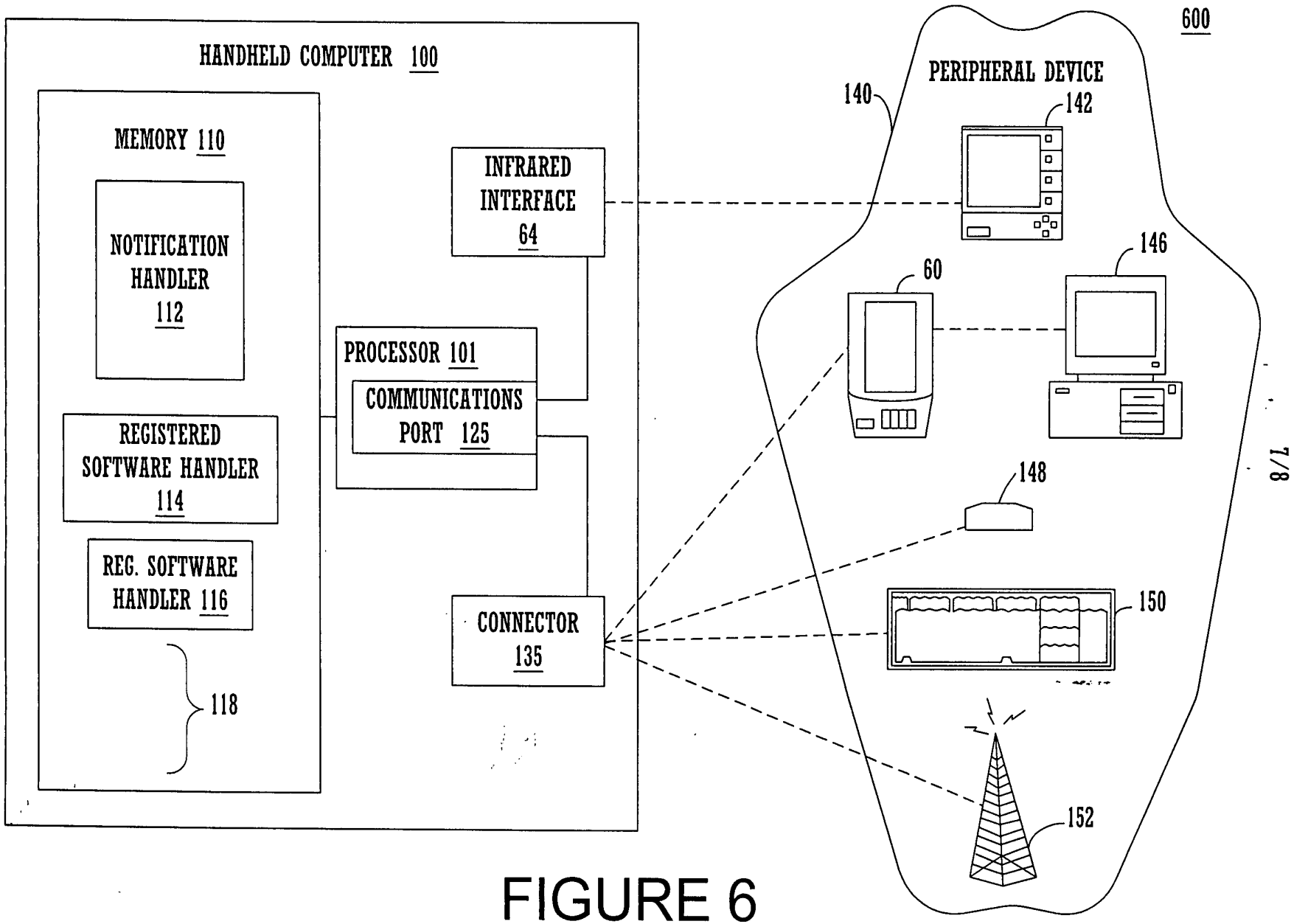
HANDHELD COMPUTER 100
MEMORY 110
NOTIFICATION HANDLER 112
REGISTERED SOFTWARE HANDLER 114
REG. SOFTWARE HANDLER 116
118
INFRARED INTERFACE 64
PROCESSOR 101
COMMUNICATIONS PORT 125
CONNECTOR 135
600
PERIPHERAL DEVICE
140
142
146
60
148
150
152

FIGURE 6

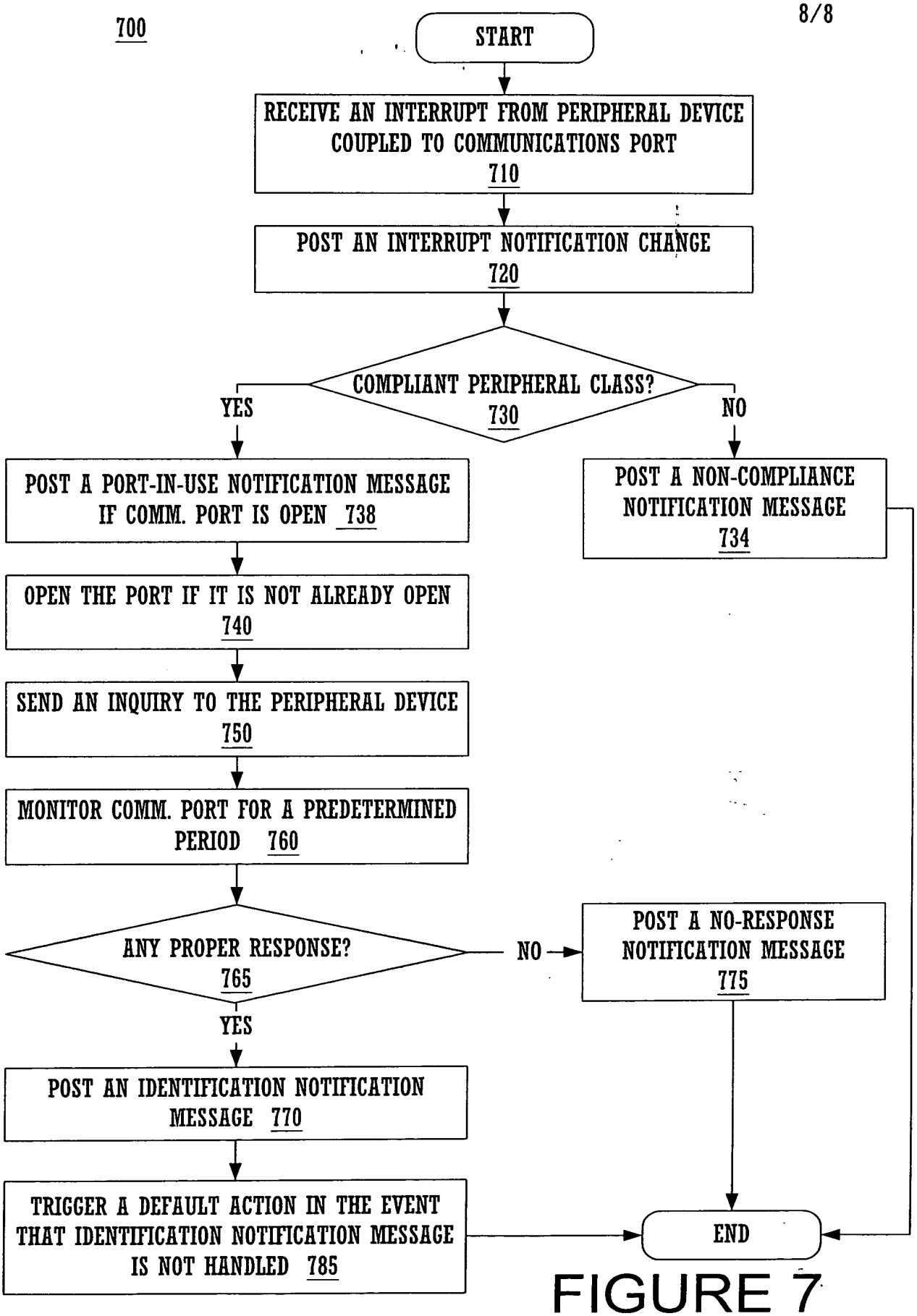
700
START
RECEIVE AN INTERRUPT FROM PERIPHERAL DEVICE COUPLED TO COMMUNICATIONS PORT 710
POST AN INTERRUPT NOTIFICATION CHANGE 720
COMPLIANT PERIPHERAL CLASS? 730
YES
NO
POST A PORT-IN-USE NOTIFICATION MESSAGE IF COMM. PORT IS OPEN 738
POST A NON-COMPLIANCE NOTIFICATION MESSAGE 734
OPEN THE PORT IF IT IS NOT ALREADY OPEN 740
SEND AN INQUIRY TO THE PERIPHERAL DEVICE 750
MONITOR COMM. PORT FOR A PREDETERMINED PERIOD 760
ANY PROPER RESPONSE? 765
NO
POST A NO-RESPONSE NOTIFICATION MESSAGE 775
YES
POST AN IDENTIFICATION NOTIFICATION MESSAGE 770
TRIGGER A DEFAULT ACTION IN THE EVENT THAT IDENTIFICATION NOTIFICATION MESSAGE IS NOT HANDLED 785
END

FIGURE 7